

COURSE TITLE: Advanced Digital Photography Combo

MATERIALS TO BE USED:

1. Digital Camera (*required*)
2. 1GB or 2GB USB 2.0 DataTraveler Flash Drive

PRE-REQUISITE: Studio Art and Introduction to Digital Photography

I. COURSE DESCRIPTION:

Exploration of the technology, theory and application of digital image processing equipment and procedures, particularly in relation to photographic processes. Principles of input, output and computer processing techniques are covered. This course introduces the student to: reflective and transmission scanning of two-dimensional art per given specifications; acquiring photographic images from Photo-CD, CD-ROM, digital cameras, grabbing video images; acquisition of text and graphics from on-line networks such as the Internet and WWW; and applying image size, resolution and file format specifications to image files.

This course is a continuing exploration of digital photography as a multimedia production medium and develops the skills necessary for basic camera and computer imaging operations. The History of development of digital photography and overview of camera basics and functions will be reviewed and expanded, portfolio assignments given, advanced Adobe Photoshop lessons and assignments in photo imaging will be explored. Taking pictures, loading images into Photoshop, viewing image info and settings. Creating custom masks, experimenting with channel operations, combining images to create animation, combining images with text, automating masks. Optimizing images for the web will be introduced as well as putting images online for multimedia projects.

II. COURSE OBJECTIVES:

By the end of the course, students will be able to:

Implement image manipulation software for multimedia productions. Understand the practical elements involved in digital camera use. Examining such things as camera control, media needed, using applicable technology combined with electronic media.

(A) Understand influences that have led to development of digital photography equipment and digital imaging.

(B) Analyze and compare digital imaging hardware and software.

(C) Demonstrate knowledge of digital imaging process.

(D) Understand major characteristics of the creative process in digital photography and identify which appropriate equipment will be required.

(E) Have created digital photography portfolio emphasizing composition, nature, architecture, portrait, speed, depth of field, and photo essay.

(F) Produce a "Final portfolio". Final Portfolios (for ONE semester) must contain a minimum of 6 photographic images, spotted and mounted on archival museum board. They must be presented within a well constructed professional portfolio befitting the format chosen by the student for the final images. The final portfolio grade will reflect adherence to your Intention Statement, completion of the basic requirements, darkroom skills, originality, cohesiveness and presentation.

Assignments: Three photographic techniques per marking period will be demonstrated and assigned as projects. These processes should be meaningful adjuncts to the entire image. (A minimum of 6 (36-exposure) rolls of film exposed and contact printed is required.)

IV. OUTLINE FOR SEMESTER:

► Marking period 1(FALL) or Marking Period 4(SPRING)

OBJECTIVE: Working with advanced tools in Adobe Photoshop

LESSONS:

- 1. Building a Workstation**
- 2. Advanced Shooting Techniques**
- 3. Return to Manual Exposure / Understanding Exposure**
- 4. PHOTOSHOP: Preparing Your Images for Editing**

ASSIGNMENTS:

- 1. Converting Color to B&W**
- 2. Digital Portraiture Photography**
- 3. Digital Macro Photography**
- 4. “Focus / Theme” Based images**

► Marking period 2(FALL) or Marking Period 5(SPRING)

OBJECTIVE: Montaging, editing and re-touching images

LESSONS:

- 1. Essential Imaging Tactics**
- 2. Photoshop: Correcting Tone and Color**
- 3. Darkroom Effects**

ASSIGNMENTS:

- 1. Calibration and Color Corrections**
- 2. Digital Infrared Photography**
- 3. Text and special effects techniques**
- 4. “Focus / Theme” Based images**

► Marking period 3(FALL) or Marking Period 6(SPRING)

OBJECTIVE: Solarizing, image reversals and toning

LESSONS:

- 1. Special Effects**
- 2. Photoshop Filters**
- 3. Print Output / Output for the Web**
- 4. Automating Photoshop**

ASSIGNMENTS:

- 1. Digital Light and Lighting**
- 2. “Focus / Theme” Based images**

V. STRUCTURED INTERNAL - EXTERNAL ASSIGNMENTS / ASSESSMENT:

Standard Grading Scale based on attendance, quizzes, tests, and digital photography portfolio.

Attendance: CHS policy states that students may be drop failed from the class upon the fourth unexcused absence and the student will be assigned to a supervised study hall. of the scheduled class meetings.

Tardy Policy: A student who is late three times the student will be charged with one full (illegal) absence unless the student can provide valid reasons for one or more of these tardies.

Assignments/Missed Exams: It is the student's responsibility, whether present or absent, to obtain all material presented and to complete all course assignments. If prior arrangements are made or extenuating circumstances exist, makeup of tests and projects may be allowed. Late shooting assignments and final projects will not be accepted unless those same extenuating circumstances exist. Makeup lab time is to be at the instructor's discretion and lab availability.